National Defense Industrial Association Conference

PM-PSE

Product Manager, Physical Security Equipment

19 June 2003

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Mission

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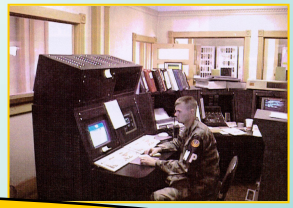
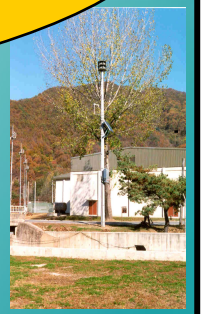


Provide Cost-Effective, State-of-the-Art, and Logistically Supportable Physical Security and Force Protection Capability to Installations and Tactical Forces Deployed Worldwide



Responsibilities

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DoDD 3224.3
Physical Security Equipment (PSE) Program
and
Action Group (PSEAG)

ARMY
- INTERIOR PSE
- C2 SYSTEMS
- SECURITY LIGHTING
- TACTICAL FORCES SECURITY SYSTEMS
- BARRIER SYSTEMS
- MASS NOTIFICATION PERSONNEL ALERTING
- INTERIOR ROBOTICS
- EXTERIOR ROBOTICS

NAVY
- ANTI-COMPROMISE EMERGENCY DESTRUCTION
- SHIPBOARD AND WATERSIDE SYSTEMS
- LOCKS
- UNDERWATER ROBOTICS
- EXPLOSIVES DETECTION SYSTEMS

AIR FORCE
- EXTERIOR PSE
- ENTRY CONTROL SYSTEMS
- DISPERSED SENSOR SYSTEMS

DEFENSE THREAT REDUCTION AGENCY
- APPLIED RESEARCH

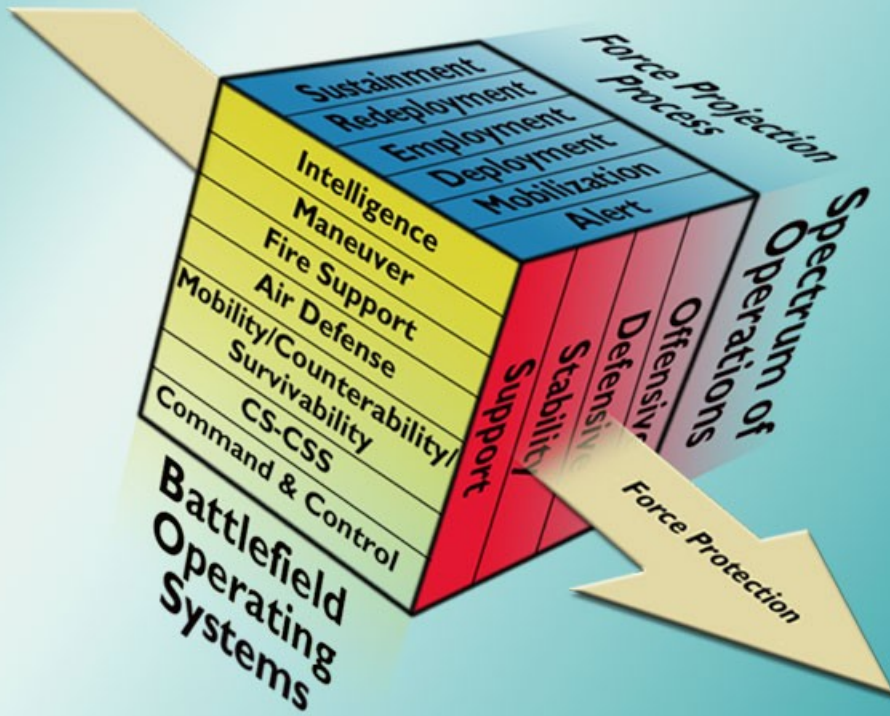
Army Focus Areas

- Access Control
- Intrusion Detection
- Contingency Operations

Force Protection Requirement

"A Comprehensive Approach to Force Protection is Required ...
However, the Task Force strongly believes that to assure an acceptable level of security for U.S. forces worldwide, **commanders must aggressively pursue an integrated systems approach to force protection that combines awareness and training, physical security measures, advanced technology systems, and specific protection measures tailored to each location**."

AN ASSESSMENT OF THE KHOBAR TOWERS BOMBING. MAJOR FINDINGS, AND RECOMMENDATIONS OF THE DOWNING ASSESSMENT TASK FORCE.



Force Protection Pillars

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The Force Protection Challenge

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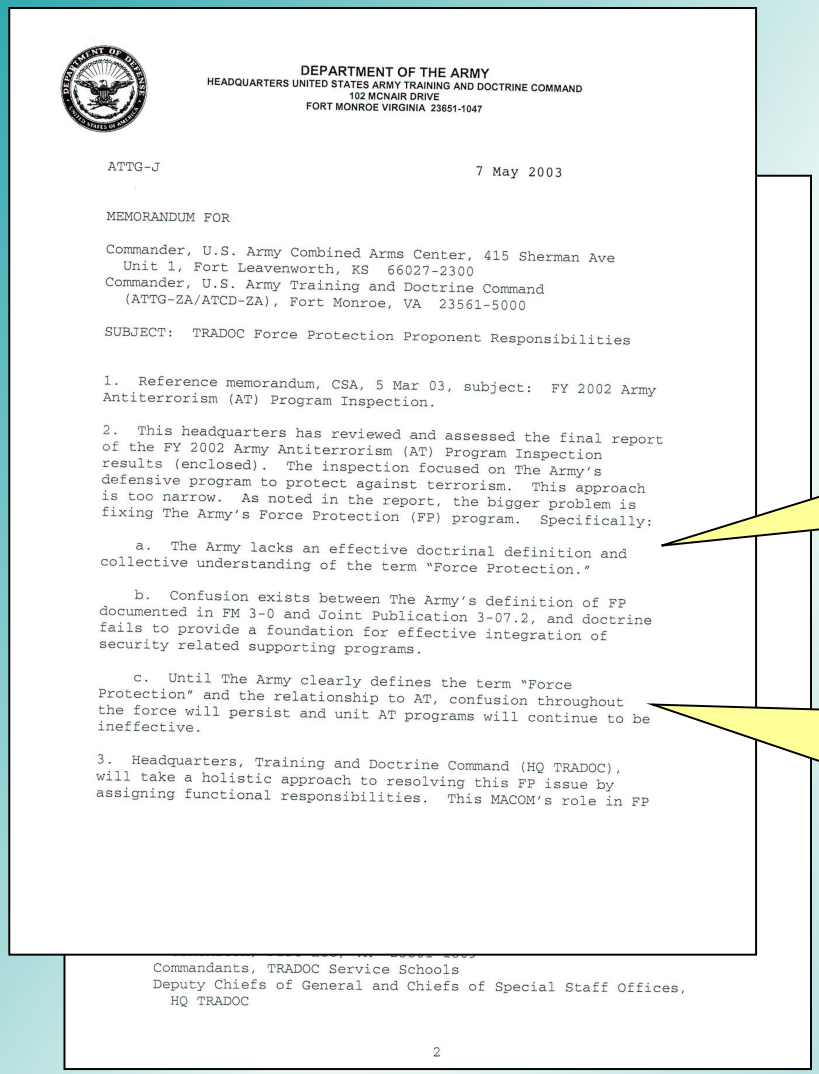

DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND
102 MCNAIR DRIVE
FORT MONROE VIRGINIA 23651-1047

ATTG-J 7 May 2003

MEMORANDUM FOR

Commander, U.S. Army Combined Arms Center, 415 Sherman Ave
Unit 1, Fort Leavenworth, KS 66027-2300
Commander, U.S. Army Training and Doctrine Command
(ATTG-ZA/ATCD-ZA), Fort Monroe, VA 23561-5000

SUBJECT: TRADOC Force Protection Proponent Responsibilities

1. Reference memorandum, CSA, 5 Mar 03, subject: FY 2002 Army Antiterrorism (AT) Program Inspection.

2. This headquarters has reviewed and assessed the final report of the FY 2002 Army Antiterrorism (AT) Program Inspection results (enclosed). The inspection focused on The Army's defensive program to protect against terrorism. This approach is too narrow. As noted in the report, the bigger problem is fixing The Army's Force Protection (FP) program. Specifically:

a. The Army lacks an effective doctrinal definition and collective understanding of the term "Force Protection."

b. Confusion exists between The Army's definition of FP documented in FM 3-0 and Joint Publication 3-07.2, and doctrine fails to provide a foundation for effective integration of security related supporting programs.

c. Until The Army clearly defines the term "Force Protection" and the relationship to AT, confusion throughout the force will persist and unit AT programs will continue to be ineffective.

3. Headquarters, Training and Doctrine Command (HQ TRADOC), will take a holistic approach to resolving this FP issue by assigning functional responsibilities. This MACOM's role in FP

Commandants, TRADOC Service Schools
Deputy Chiefs of General and Chiefs of Special Staff Offices,
HQ TRADOC

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a. The Army lacks an effective doctrinal definition and collective understanding of the term "Force Protection."

c. Until the Army clearly defines the term "Force Protection" and the relationship to AT, confusion throughout the force will persist and unit AT programs will continue to be ineffective.

Development Responsibilities

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Combat Developer

- Formulate Concepts, Doctrine, Organizational Structure, Materiel Objectives, and Requirements
- Comply With AR 71-9 by Ensuring Materiel, Training, Personnel, Logistics, and Doctrine Tactics Are Identified, Integrated, Tested, and Refined Throughout the Materiel Acquisition Process

Materiel Developer

- Plan and Manage Acquisition Programs Consistent With the Policies and Procedures Issued by the Army Acquisition Executive and Appropriate Regulations, Policies, Procedures, and Standards
- Provide the Planning Guidance, Direction, Control, Oversight, and Support Necessary to Ensure Systems Are Developed in Accordance With Army Enterprise Architecture, to Include Certification of Compliance With the MDA Prior to Formal Release of the Draft and Final Solicitations; Minimize Life-cycle Cost; And Are Fielded Within Cost, Schedule, and Performance Baselines

Force Protection Requirements Definition and Assessment Process

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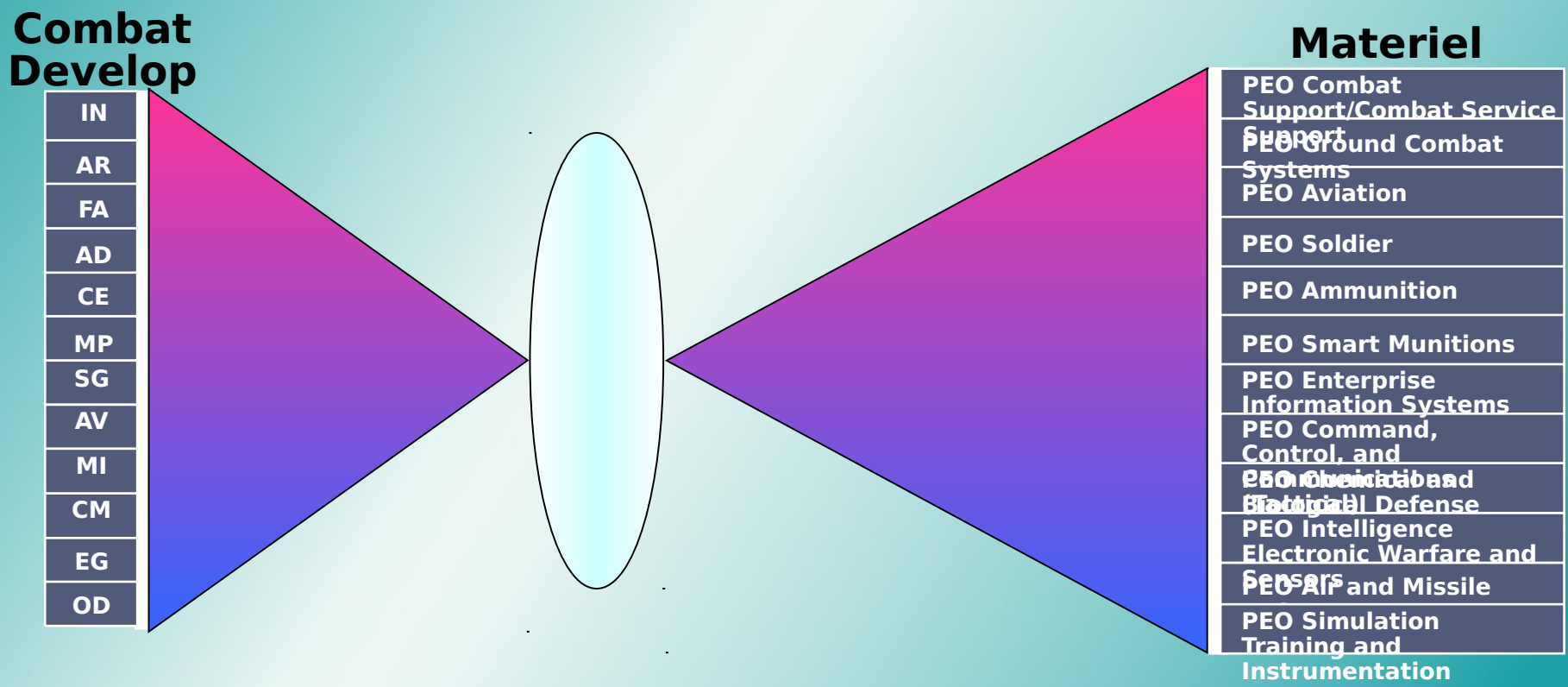

Force Protection Requires Combat Developer and Materiel Developer Synchronization

"What Are We Doing?"

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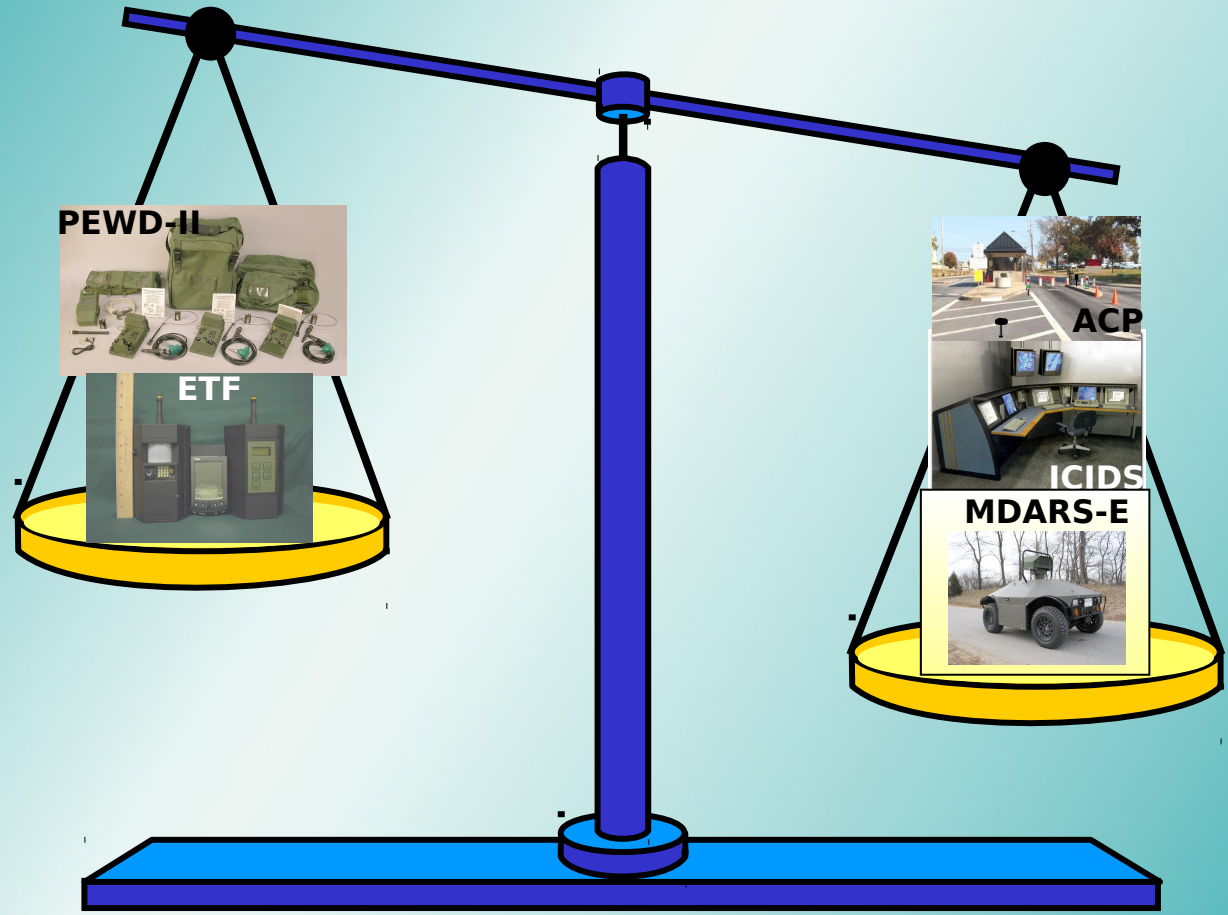
Tactical

Garrison



PM-PSE is Exploring Opportunities to Enhance Physical Security Across the Operational Spectrum: Installations, Contingency Operations, and Transformation

Tactical Physical Security/Force Protection Focus

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Focus on Low Density, High Demand, Critical Assets, and Functions Crucial to Force Projection Operations and Stability and Support Operations

Technology Integration is Key

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National/Strategy Assets Provide IPB

Predator

Core Objective Force – TPSE must Interface/Interoperate with this Architecture

Terrain Analysis Identifies Gaps in Unit's SA; Defines TPSE Deployment

Net Fire

Connectivity to the TACNET

ASREQ Call For Fire from UAE

Sensor/SA Data Provided to Site CP
Threat/IPD Data Pushed to TPSE

Vehicle Mast Mounted Surveillance System and TPSE C2

Networked Unattended Ground Sensor

UGS/GSR Cues Imager

Advanced Imaging Sensor With Targeting Capability

TPSE Vehicle Deploys BLOS Systems

Ground Surveillance Radar

TPSE Cdr Deploys Response to ID Threat

QRF

Remote/Unmanned Weapon

Organic S-UAV and UGV Response to BLOS Alarms

Multiple Technologies – Need to be Synthesized

Summary

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- Focus Efforts Within Combat Developer and Materiel Developer Communities
- Army Requires a Force Protection Program
  - Analysis of Alternatives
  - Integration
  - Capability Development
  - Fielding
- Synchronize Development and Funding
  - Science Technology
  - Acquisition Programs
  - Procurement